



PTO/SB/08A (07-05)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 4

### Complete If Known

Application Number	10/551,480
Filing Date	September 29, 2005
First Named Inventor	Terrence Kolenc et al.
Art Unit	3751
Examiner Name	not yet assigned
Attorney Docket Number	22188/07058

### U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/JKF/	US- 1,069,067		07/29/13	Huxford	
/JKF/	US- 1,118,649		11/24/14	Halter	
/JKF/	US- 2,236,253		03/25/41	Testori	
/JKF/	US- 2,856,148		10/14/58	Heathcote et al.	
/JKF/	US- 4,377,892		03/29/83	Gonzalez	
/JKF/	US- 4,687,017		08/18/87	Danko et al.	
/JKF/	US- 4,754,950		07/05/88	Tada et al.	
/JKF/	US- 4,828,219		05/09/89	Ohmi et al.	
/JKF/	US- 4,867,201		09/19/89	Carten	
/JKF/	US- 4,953,826		09/04/90	Ohmi et al.	
/JKF/	US- 5,108,069		04/28/92	Tada et al.	
/JKF/	US- 5,112,027		05/12/92	Hanyu et al.	
/JKF/	US- 5,131,627		07/21/92	Kolenc	
/JKF/	US- 5,186,434		02/16/93	Nishimura et al.	
/JKF/	US- 5,201,492		04/13/93	Beauvir	
/JKF/	US- 5,215,286		06/01/93	Kolenc	
/JKF/	US- Re34,303		07/06/93	Ohmi et al.	
/JKF/	US- 5,253,671		10/19/93	Kolenc	
/JKF/	US- 5,295,660		03/22/94	Honma	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/JKF/	DE 1900352		09/11/69	Waldenmaier		
/JKF/	EP 512674		11/11/92	Masako Kiyohara		
/JKF/	EP 756117		01/29/97	Fujikin Incorporated		
/JKF/	EP 780611		06/25/97	Applied Materials		
/JKF/	EP 932781		08/04/99	Parker-Hannifin		
/JKF/	GB 199,672		06/28/23	Bläkeborough		

Examiner Signature	/John K. Fristoe Jr/	Date Considered	04/24/2007
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STATEMENT BY APPLICANT

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Sheet 2 of 4

Application Number	10/551,480
Filing Date	September 29, 2005
First Named Inventor	Terrence Kolenc et al.
Art Unit	3751
Examiner Name	not yet assigned

Attorney Docket Number 22188/07058

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/JKF/		US- 5,295,662	03/22/94	Yamaji et al.	
/JKF/		US- 5,326,078	07/05/94	Kimura	
/JKF/		US- 5,327,937	07/12/94	Kato et al.	
/JKF/		US- 5,335,691	08/09/94	Kolenc	
/JKF/		US- 5,413,311	05/09/95	Arstein et al.	
/JKF/		US- 5,485,984	01/23/96	Itoi et al.	
/JKF/		US- 5,524,865	06/11/96	Uchisawa et al.	
/JKF/		US- 5,551,477	09/03/96	Kanno et al.	
/JKF/		US- 5,653,419	08/05/97	Uchisawa et al.	
/JKF/		US- 5,730,423	03/24/98	Wu et al.	
/JKF/		US- 5,755,428	05/26/98	Olivier	
/JKF/		US- 5,820,105	10/13/98	Yamaji et al.	
/JKF/		US- 5,829,472	11/03/98	Greenwood et al.	
/JKF/		US- 5,851,004	12/22/98	Wu et al.	
/JKF/		US- 5,897,099	04/27/99	Fujimoto et al.	
/JKF/		US- 5,906,353	03/25/99	Someya et al.	
/JKF/		US- 5,967,492	10/19/99	Navratil et al.	
/JKF/		US- 6,092,550	07/25/00	Gotch et al.	
/JKF/		US- 6,093,303	07/25/00	Williams et al.	

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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/JKF/		GB 367,098 ✓ 084	02/18/32	Friedrich Axt		
/JKF/		JP 3079875 ✓	04/04/91	Benkan Corp.		

Examiner Signature	/John K. Fristoe Jr/	Date Considered	04/24/2007
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/JKF/	US-	6,138,712	10/31/00	Hirose	
/JKF/	US-	6,164,624	12/26/00	Watanabe et al.	
/JKF/	US-	6,165,597	12/26/00	Williams et al.	
/JKF/	US-	6,189,861	02/20/01	Gotch et al.	
/JKF/	US-	6,340,148	01/22/02	Sung	
/JKF/	US-	6,341,758	01/29/02	Shih et al.	
/JKF/	US-	6,357,339	03/19/02	Ejiri	
/JKF/	US-	6,397,628	06/04/02	Watanabe et al.	
/JKF/	US-	6,461,448	10/08/02	Williams et al.	
/JKF/	US-	6,508,453	01/21/03	Mamyo	
/JKF/	US-	6,547,888	04/15/03	Williams et al.	
/JKF/	US-	2002/0092999	07/18/02	Longo et al.	
	US-				

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		<b>Examiner Name</b>	not yet assigned
Sheet	4	of	4
		Attorney Docket Number	

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
JKF		International Search Report from PCT/US2004/011302.	

Examiner Signature	/John K. Fristoe Jr/	Date Considered	04/24/2007
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